

Rabbit anti-Human Collagen IV Monoclonal Antibody | anti-COL4A4/COL4A6/COL4A2/COL4A1 antibody

Collagen IV Rabbit mAb

CATALOG # AAA283040	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Dot Blot, Western Blot
-------------------------------	-----------------------	----------------------------	--

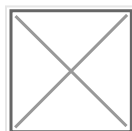
PRODUCT SYNONYMS

Collagen IV; Monoclonal Antibody; Collagen IV Rabbit mAb; BFH; ATS2; BFH1; CA44; anti-COL4A4/COL4A6/COL4A2/COL4A1 antibody

PRODUCT SPECIFICATIONS

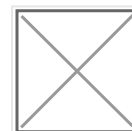
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AQAVAVHSQD QSIPPCPQTW RSLWIGYSFL MHTGAGDQGG GQALMSPGSC LEDFRAAPFL ECQGRQGTCH FFANKYSFWL TTVKADLQFS SAPAPDTLKE SQAQRQKISR CQVCVKYS
Applicable Applications for anti-COL4A4/COL4A6/COL4A2/COL4A1 antibody	ELISA, DB (Dot Blot), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1573-1690 of human COL4A4 (NP_000083.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



DB (Dot Blot)

Dot-blot analysis of all sorts of peptides using Collagen IV Rabbit mAb antibody (AAA283040) at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of lysates from HeLa cells, using Collagen IV Rabbit mAb (AAA283040) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A4/COL4A6/COL4A2/COL4A1 antibody	This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. This particular collagen IV subunit, however, is only found in a subset of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. Mutations in this gene are associated with type II autosomal recessive Alport syndrome (hereditary glomerulonephropathy) and with familial benign hematuria (thin basement membrane disease). Two transcripts, differing only in their transcription start sites, have been identified for this gene and, as is common for collagen genes, multiple polyadenylation sites are found in the 3' UTR.
Product Categories/Family for anti-COL4A4/COL4A6/COL4A2/COL4A1 antibody	Collagen ; Signal Transduction ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256356
NCBI GeneID	1286/1288/1284/1282
NCBI Accession #	NP_000083.3
NCBI GenBank Nucleotide #	NM_000092.4
UniProt Accession #	P53420 ; Q14031
Molecular Weight	Calculated MW: 164kDa Observed MW: 170-185kDa
UniProt Protein Name	Collagen alpha-4(IV) chain
UniProt Gene Name	COL4A4
UniProt Entry Name	CO4A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/collagen-iv-antibody-dot-blot-western-blot-elisa/283040>